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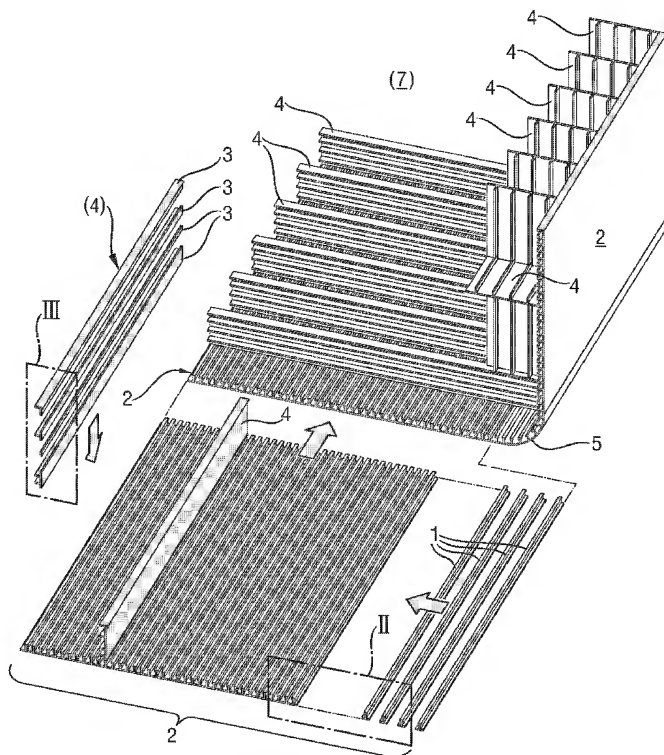
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(54) Title: A METHOD OF PLANNING AND MANUFACTURING AN LNG STORAGE TANK OR THE LIKE AND AN ALUMINIUM LNG STORAGE TANK MANUFACTURED USING THE METHOD



(57) Abstract: A method of manufacturing a tank suitable for storing very cold cryogenic liquids, such as liquefied ethylene (LEG) or natural gas (LNG) or a corresponding medium, the basic form of the tank corresponding to a rectangular prism and being manufactured from aluminium or the like material. The tank is produced at least mainly from prefabricated construction elements of few different types so that plane elements (2) to be used as shell panels of the tank, the elements being produced by mechanically extruding aluminium profile elements (1) or the like, are produced, the elements including a plane part (1 a) and a stiffening part (1b) and which are welded by their plane parts (1 a) to each other using friction welding. The plane elements (2) produced thus are provided with longitudinal and/or transverse stiffeners (4) being produced by mechanically extruding aluminium profile elements (3) or the like, which are welded to each other by using friction welding. The plane elements (2) having stiffeners (4) produced thus are attached to each other and/or to separately produced edge (5) and/or corner elements (6) into self-supporting volume units (7) having at least four sides.



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